

Home-Built Combine Header Tilt

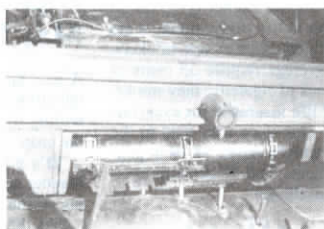
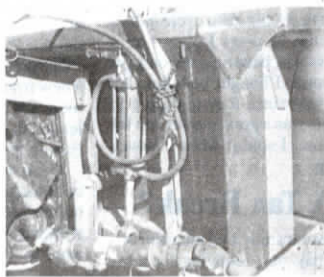
"When we bought a new Deere row crop header for our N5 Gleaner combine in 1982, it worked great - until we got on uneven ground. Then the head would sometimes cut higher on one side than the other," says Don Gibson, Scranton, Iowa.

"So a few years later I built a tilting adapter for the head. I don't know how Deere's tilting head operates, but I know my adapter works differently than New Holland's, which has a hydraulic cylinder on each side. My pivot point is a 3-in. dia. shaft that the head tilts on hydraulically. I used one standard 2 1/2-in. by 8-in. cylinder mounted behind the header near the feederhouse to tilt the head. I had to do a few other modifications to the hydraulics on the combine to make it work, namely adding an extra swing stack valve into the series already on it. I activate the valve and cylinder with a rocker switch inside the cab.

"I have had this head on N5, N6 and R70 combines. It works great around waterways, terraces and can be tilted far enough to clear bridge railings.

"Head sticks out about 5 ft. further in front of combine than before, but that hasn't interfered with how the crop feeds into it.

"I've probably got \$200 or \$300 invested - the swing stack valve was \$150 from a salvage yard - in the project. Most of it was scrap metal and a hydraulic cylinder that I



had lying around."

Contact: FARM SHOW Followup, Don Gibson, Rt. 2, Box 139, Scranton, Iowa 51462 (ph 712-652-3558).



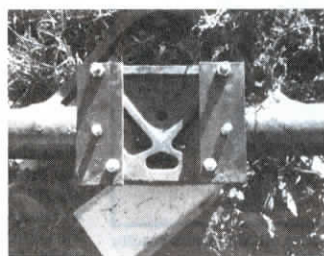
Add-On Wide Front Tractor Axle

"Farmers are always looking for wide front axles for older tractors with narrow front axles," says Jerome Rewolinski. "Wide front axles were available at the time those older tractors were purchased, but many farmers bought narrow ones so they could mount a corn picker on the tractor. When I went looking for a wide front axle, I found that commercial retrofit kits to switch front axles were too expensive and not heavy enough."

With that in mind, the Grand Island, Neb., farmer went to work last spring and came up with a way to mount the wide front axle from his late '70s Farnall 1066 on his mid-'60s era Farnall 706. He did the job by installing bolt-on steel plates and a revamped hydraulic system he made himself.

"I attached two 3/4-in. thick steel plates 3 1/4-in wide by 10 3/4-in. long to the 1066," he says. "They bolt onto the 706's frame where the original front axle bolted on.

"The back saddle, which houses the hydraulic steering mechanism, takes two steel plates 2-in. wide by 1 1/2-in. thick by 12-in. long. They're threaded so they bolt onto the back in the same place on the frame as the original saddle. That way, you don't



have to drill any holes in the frame."

To make the conversion, Rewolinski simply jacked up the 706 and rolled the 1066 front axle into place for mounting.

The hydraulic steering system Rewolinski fashioned uses special heavy-duty hoses and couplings.

"With 14 bolts and in a couple of hours, you've got a tractor with a wide front axle," he says.

Contact: FARM SHOW Followup, Jerome Rewolinski, 2621 East Schimmer Dr., Grand Island, Neb. 68801 (ph 308 382-3140).

FARM SHOW

"Made It Myself"

Some of the best new products we hear about are "made it myself" innovations born in farmer's workshops. If you've got a new invention or favorite gadget you're proud of, we'd like to hear about it. Send along a photo or two, and a description of what it is and how it works. Is it being manufactured commercially? If so, where can interested farmers buy it? Are you looking for manufacturers, dealers or distributors? (Send to FARM SHOW, Box 1029, Lakeville, Minn. 55044)

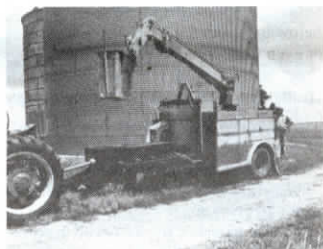
Mark Newhall, Editor

Tractor-Powered Cherry Picker

Dave, Marty and Nick O'Neill, Cooksville, Ill., get a lot of service out of their converted cherry picker which began life as an electric power company truck. They modified it to pull behind their tractor, powered by the pto.

They say it's a safe, convenient way to paint or do other maintenance on buildings and is handy for use both as a bucket lift and as a lift boom. They have a winch that mounts in place of the bucket for jobs such as lifting trusses up for barn building.

Lift capacity ranges from 600 lbs. when the arm is fully extended to 4,000 lbs. when pulled all the way in. The O'Neills stripped the truck down to the bare frame up front and installed a drawbar hitch on front. The truck had its own hydraulics so the O'Neills built a pto power jack to drive the hydraulic pump. Hydraulic controls for the cherry picker are on the back end of



the unit where they always were.

Previously the O'Neills converted an electric powered cherry picker but they say this hydraulic unit is far superior.

Contact: FARM SHOW Followup, Dave O'Neill, Rt. 1, Cooksville, Ill. 61730 (ph 309 724-8347).

Simple "Remote" Hitch Pin

There are a lot of automatic hitch pin hooks on the market but one of the simplest "remote" setups we've ever seen is this reach-from-the-cab hitch pin put together by Illinois farmer John Friedman.

It lets him hitch and unhitch wagons without leaving the seat of his Deere tractor. He welded a long steel rod to the top of a hitch pin. It runs up through a retaining bracket that extends out from the back of the tractor. A knob attached to the pin keeps it from dropping down too far if Friedman misses the hole in the drawbar.

He uses large springs to hold wagon tongues up in the air at hitching height so they're always ready for hookup.

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